Trends in Army Training Systems Investments

Training & Simulations Industry Symposium
(TSIS)

14 June 2016

HQDA G-37/TRS

Readiness is #1; Sustainable Readiness is the Army's model

Army Cdrs are aggressively expanding Home Station Training to achieve Sustainable Readiness

The Training Support System (TSS) enables HS Training and Readiness by delivering Services, **Products** & Facilities at installation level

TSS **Products** managed by the "TRIAD" of:
> *HQDA G-37/ Director of Training: Policy, Strategies & Resources*
> *TRADOC USACAC-Training: Requirements*
> *PEO STRI: TSS Products Acquisition; Life-Cycle & Sustainment*

TSS Resources are Finite – new requirements must be balanced against those to sustain existing systems and capabilities

Industry is essential to TSS; however, our performance (together) has had mixed results

TOPICS….

- Readiness: THE Army Priority

- The Army is Training

- The Army's Training Support System (TSS)

- TSS Products Investments

GEN Mark A. Milley, 39th CSA…   Readiness is the Army's #1 Priority.

SRM: Sustainable Readiness Model; places all units in one of three conditions of readiness…

– Prepare
– Ready
– Mission

COTR: Cost of Training Readiness; seeks to trace all Army training investments to their effect of Unit Readiness.

Obj T: Objective "T"; makes Commander's rating of Training Readiness in the Unit Status Report (USR) more objective.

GEN Milley, 39th Chief of Staff of the Army

From His Initial Message to the Army

Priority Number One

#1. **Readiness: (Current Fight)**. Our fundamental task is like no other - it is to win in the unforgiving crucible of ground combat. We must ensure the Army remains ready as the world's premier combat force. Readiness for ground combat is - and will remain - the U.S. Army's #1 priority. We will always be ready to fight today, and we will always prepare to fight tomorrow. Our most valued assets, indeed, the Nation's most valued assets, are our Soldiers and our solemn commitment must always be to never send them into harm's way untrained, poorly led, undermanned, or with less than the best equipment we can provide. *Readiness is #1, and there is no other #1.*

MARK A. MILLEY
General, United States Army
39th Chief of Staff of the Army

FORSCOM 1ID Danger Focus

Army G-3/5/7

Mission Statement: 1ID builds leaders prepared for combat operations within a fully enabled live, constructive, and virtual METL-focused and multi-echeloned environment through key collective home station training from 28APR – 3 JUN16. This training will include CO STX, CO CALFEX, a BDE FTX, and BDE/ BN FCXs.

Virtual/ Gaming (CCTT/AVCATT)

Virtual (Attack)
- **Shaping Operation 1**
- **1 x BN TF in CCTT**
- **Enablers task organized to support the virtual units**

Virtual/Gaming
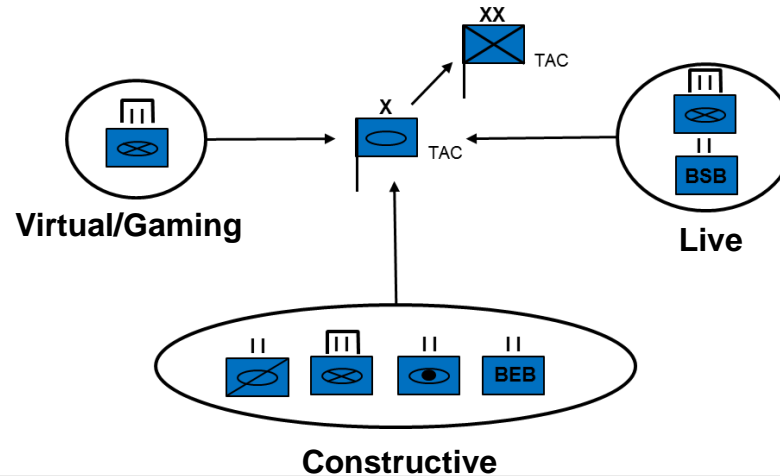
Live

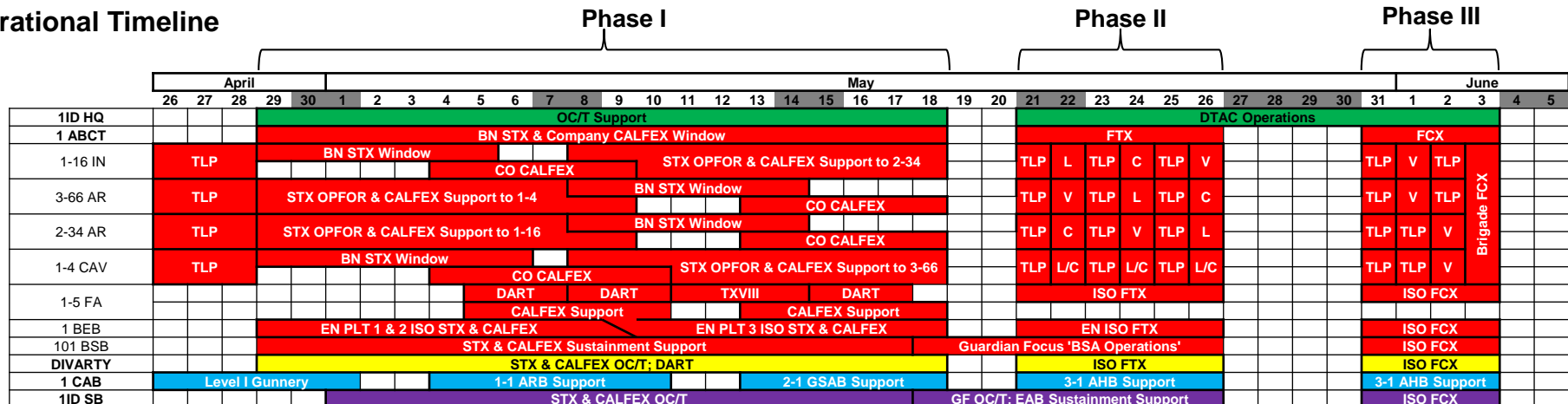## Live (HITS/ MILES)

Live/ Force on Force (Attack)
- **Decisive Operation**
- **1 x BN TF (task organized with EN, CCA, Fires)**
- **101BSB – BSA established**

Constructive (MTC)

Constructive (Attack)
- **Shaping Operation 2 & 3, Reserve, FA BN, and BEB**
- **Inject driven operations at the CO feeding the BN TAC's**

Constructive

Operational Timeline

	April 26	27	28	29	30	May 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	June 1	2	3	4	5
			Phase I																							Phase II											Phase III				
1ID HQ			OC/T Support																							DTAC Operations															
1 ABCT			BN STX & Company CALFEX Window																							FTX											FCX				
1-16 IN	TLP			BN STX Window					CO CALFEX				STX OPFOR & CALFEX Support to 2-34													TLP	L	TLP	C	TLP	V						TLP	V	TLP			
3-66 AR	TLP			STX OPFOR & CALFEX Support to 1-4							BN STX Window					CO CALFEX										TLP	V	TLP	L	TLP	C						TLP	V	TLP	Brigade FCX		
2-34 AR	TLP			STX OPFOR & CALFEX Support to 1-16							BN STX Window					CO CALFEX										TLP	C	TLP	V	TLP	L						TLP	TLP	V			
1-4 CAV	TLP			BN STX Window				CO CALFEX					STX OPFOR & CALFEX Support to 3-66													TLP	L/C	TLP	L/C	TLP	L/C						TLP	TLP	V			
1-5 FA					DART		DART			TXVIII			DART						ISO FTX														ISO FCX						
					CALFEX Support						CALFEX Support																														
1 BEB		EN PLT 1 & 2 ISO STX & CALFEX								EN PLT 3 ISO STX & CALFEX									EN ISO FTX												ISO FCX						
101 BSB		STX & CALFEX Sustainment Support															Guardian Focus 'BSA Operations'													ISO FCX						
DIVARTY		STX & CALFEX OC/T; DART																	ISO FTX													ISO FCX						
1 CAB		Level I Gunnery				1-1 ARB Support							2-1 GSAB Support									3-1 AHB Support											3-1 AHB Support						
1ID SB		STX & CALFEX OC/T																GF OC/T; EAB Sustainment Support														ISO FCX						

C: Constructive   **L**: Live/ Force on Force   **V**: Virtual/ Gaming

USARPAC
JPMRC ready for Rot 16-02, Arctic Anvil and Planning for Rot 17-01, Lightning Forge

JPMRC IS Layout

UNCLASSIFIED // FOUO

Left: The Joint Pacific Multinational Readiness Capability-Instrumentation System (JPMRC-IS) is loaded onto the "MV Mahimahi" at the Honolulu Harbor Piers to ship to Alaska in support of JPMRC Rotation 16-02 Arctic Anvil which runs from July 23 – 3 August. This rotation will test the organization's ability to deploy to another location within the U.S. Army Pacific Area of Responsibility, enhance the training of a combat brigade, and redeploy the system back to its home station on Schofield Barracks, Hawaii.

Right: JPMRC and 196th Infantry Brigade personnel attended the JPMRC Rotation 17-01 Lightning Forge Main Planning Workshop (MPW) May 24-26 at the Mission Training Complex on Schofield Barracks Hawaii. The workshop will help with the preparations for the upcoming rotation, the third iteration of Lightning Forge with JPMRC. The MPW allowed personnel to plan and work on the scenario development, logistics, IS coverage, and

USAREUR
Rotation and Exercise Schedule

USAREUR Exercise Program

MN DATE

Saber Junction
Title X USAREUR BDE/RGT
1x Annually

Combined Resolve
European RAF
2x Annually

Allied Spirit
Multination BDE
2x Annually

KFOR
MNBG-E MRE
1x every 7 months

Georgian MRE
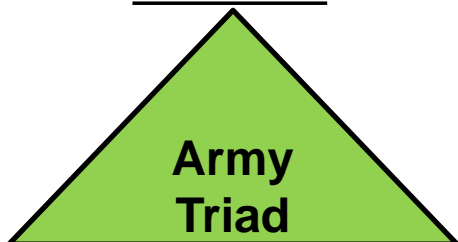ICW USMC
2x Annually

Dynamic Manner
ICW RMAS
3x Annually

Swift Response
US Army GRF
MN DATE
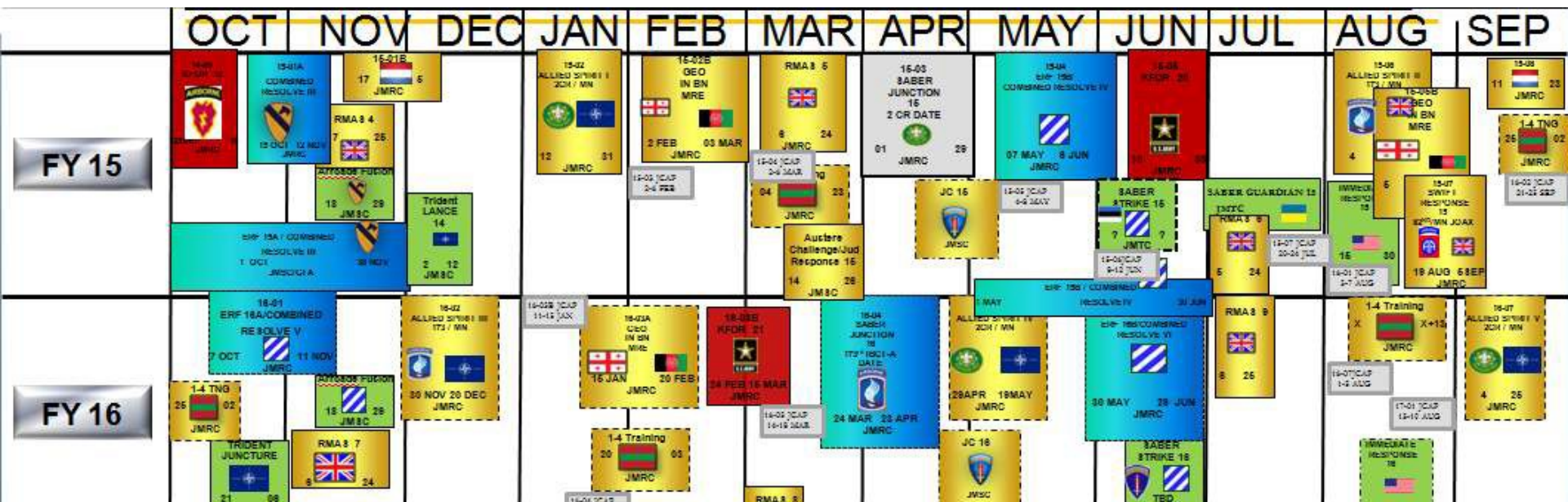
Army G-3/5/7

Structure

Army Triad

Modernization   Readiness

Installations   Readiness Triad   Equipment Sustainment

Training

Operational (OPTEMPO/FHP/ CTC Ops & Rot's)

Services

Institutional Training (COE Core & Tng Load)

TT PEG   TSS   **TSS**
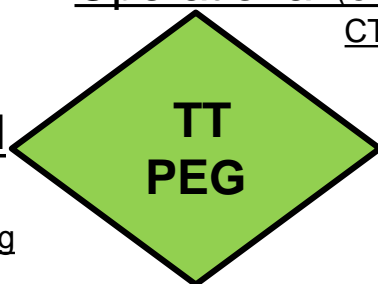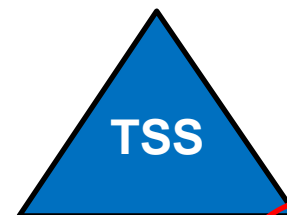
Facilities   Products

Other Non-Tng Missions

Army G-3/5/7

Allocation to Army Training Portfolios

11% TSS Products Services Facilities

50% Operational Training (Unit/Collective)
- Home Station
- Combat Training Centers

TT PEG
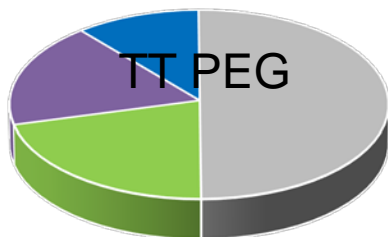
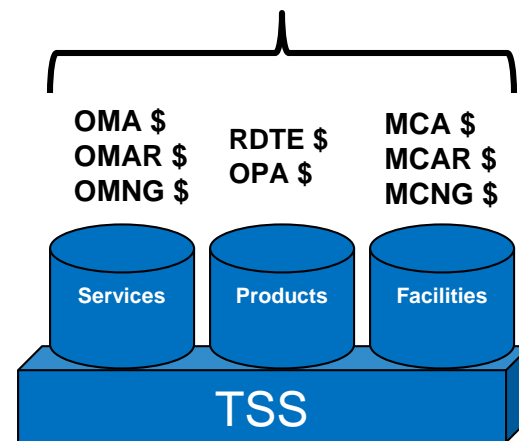**21% Institutional Training (Individual – TASS)**

18% Mission Portfolio

TSS enables training in the Army's three training domains

Self Development

Operational Training

Intuitional Training

TSS
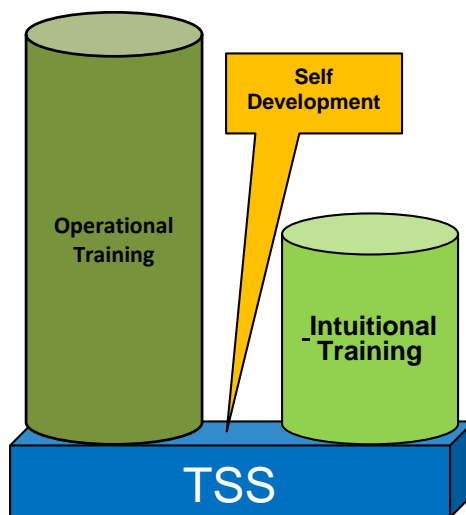
TSS funds Products, Services & Facilities that:
- **Set conditions**
- **Enable individual & collective task execution**
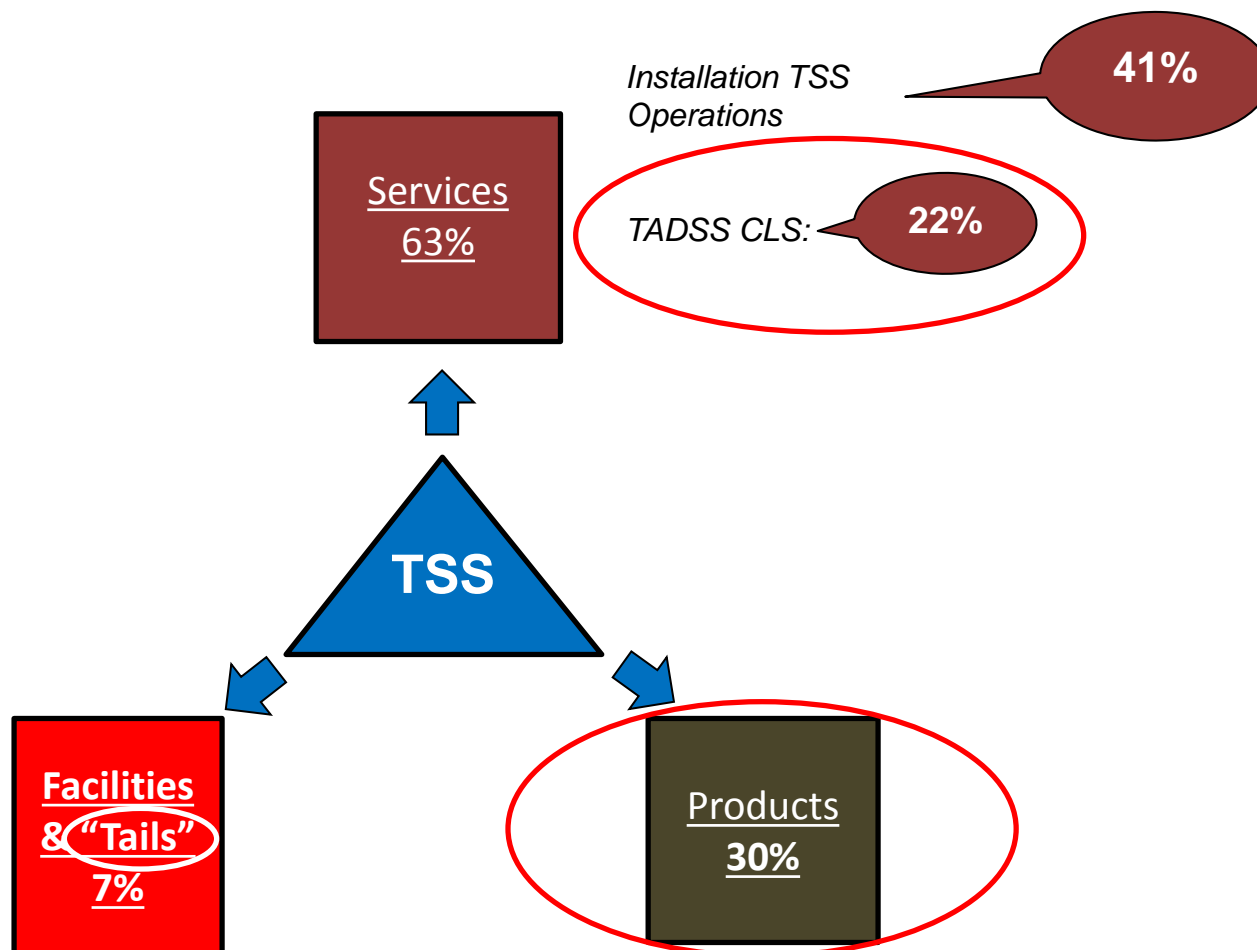- **Provide means to assess training**

13 MDEPs

OMA $
OMAR $
OMNG $

RDTE $
OPA $

MCA $
MCAR $
MCNG $

Services | Products | Facilities

TSS

Training Support System of Systems

Services
63%

Installation TSS Operations

41%

TADSS CLS:

22%

TSS

Facilities & "Tails"
7%

Products
30%

TSS Products Acquisition & Sustainment

POM 16-20
&
18-22 RECOVERY

Post 9/11 Growth

POM 15-19
'BCA'
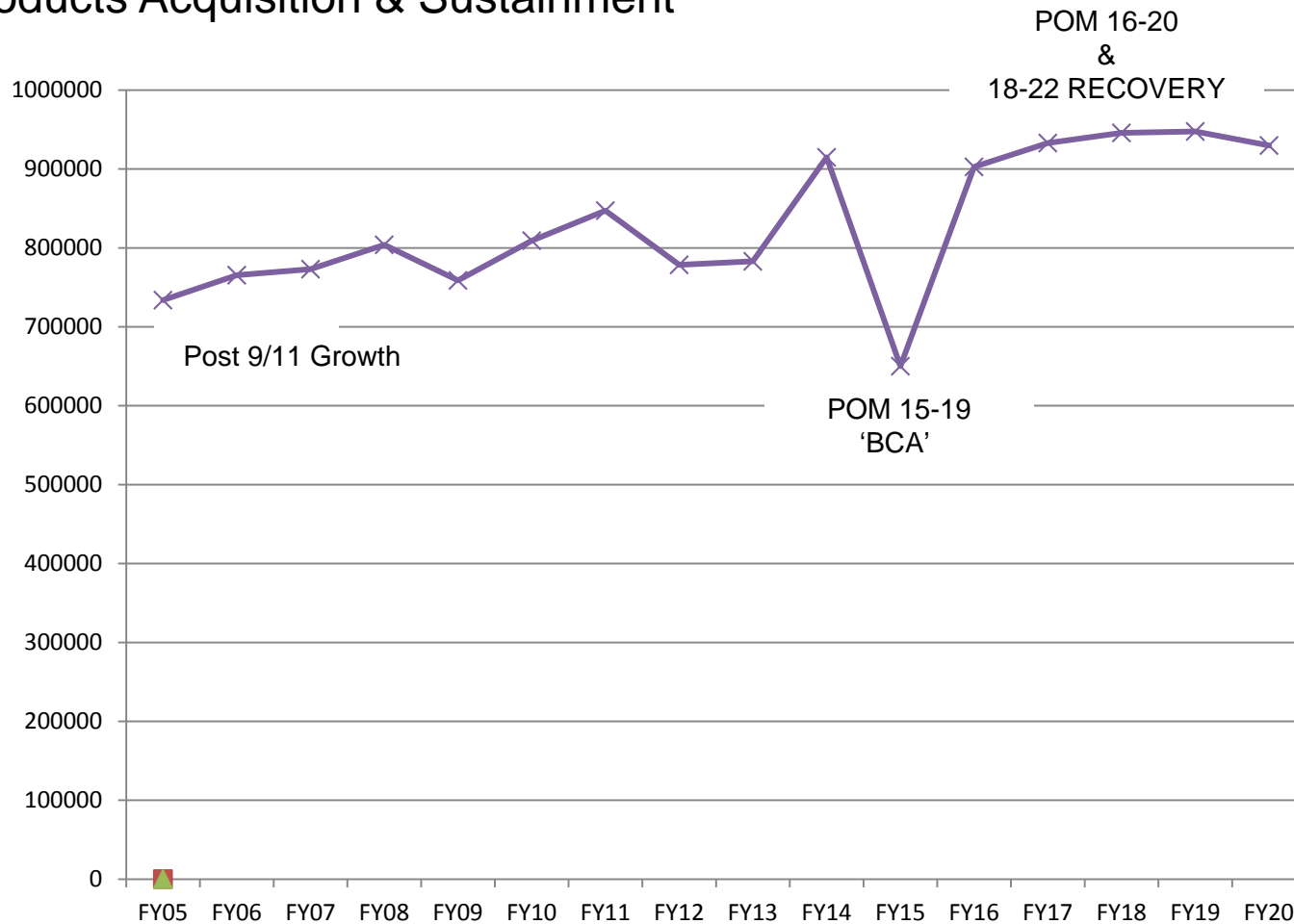
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TOA (POM 18 RDA Funding)
Exceed TOA

Adjust FY22 in POM 19-23

Legacy   Future Systems
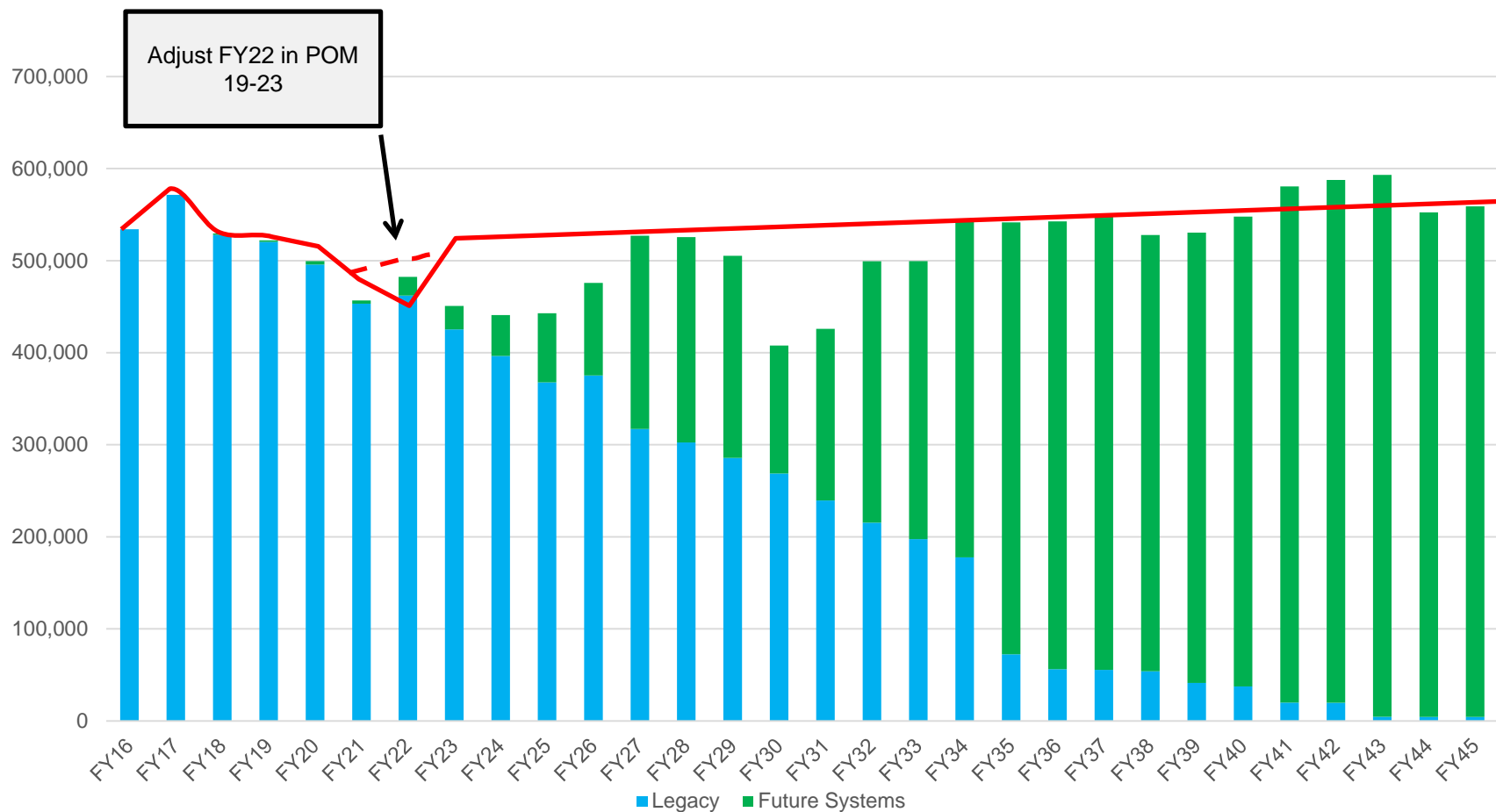
- Internally assess each TSS <u>Sub-Portfolio</u>:
  - Services
  - Facilities
  - **Products**

TOA: Prior POM Funding

3	Net E/R
	Funding
4	Trade Space

1	E/R
2	Efficiencies
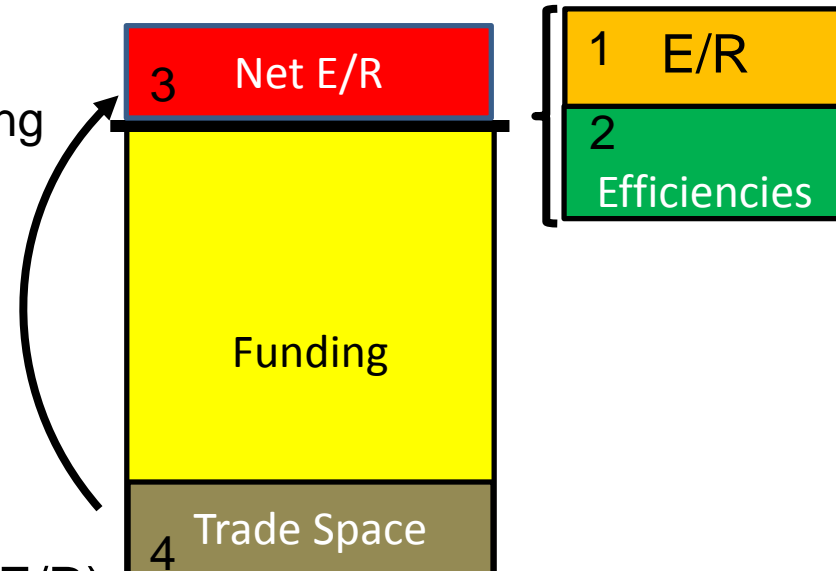
- For each TSS Sub-Portfolio:
  1. Identify Emerging Requirements (E/R)
  2. Identify Efficiencies
  3. Subtract Efficiencies from E/R to identify Net E/R
  4. Identify "Trade Space (Billpayers)" from existing TOA to cover Net E/R.

- Balance across the Sub-Portfolios

Army G-3/5/7

I-MILES: Instrumentable MILES
JPMRC-IS: Joint Pacific Multinational Readiness Capability Instrumentation System
JLCCTC-ERF: Joint Land Component Constructive Training Capability – Entity Resolution Federation
I-MTS: Instrumented Military Operations on Urban Terrain Training System
EST: Engagement Skills Trainer
CCTT - RVTT/RVS: Close Combat Tactical Trainer – Reconfigurable Simulators
FASIT: Future Army System of Integrated Targets
TRACR: Targetry Range Automated Control Recording
MSTC: Medical Simulation Training Center
GFT – VBS3: Games for Training – Virtual Battlespace 3
AWSS – Aerial Weapons Scoring System

LVC-IA: Live Virtual Constructive Integrating Architecture
JLCCTC-MRF: Multiple Resolution Federation
CCTT (Concurrency)
AVCATT (Concurrency)
HITS: Home Station Instrumentation Training System
DRTS: Digital Range Training System
SE Core: Synthetic Environment Core
IEDES: IED Effects Simulator
ATS: Army Target Systems

One TESS: One Tactical Engagement System
CTC-IS RCS: Cbt Tng Ctr Instrumentation
System – Range Communications System
DSTS: Dismounted Soldier Tng System

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Questions?